

Notice of Allowability

Application No.

10/017,600

Examiner

Sue Lao

Applicant(s)

JACQUIN ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/13/2005.
2. ☒ The allowed claim(s) is/are 1,3,4,6,8-10 and 22-24.
3. ☒ The drawings filed on 12/18/01 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Sue Lao

**SUE LAO
PRIMARY EXAMINER**

DETAILED ACTION

1. Claims 1, 3, 4, 6, 8-10 and 22-24 are pending. This action is in response to the amendment filed 5/13/2005. Applicant has amended claims 1, 3, 4, 8 and 10, canceled claims 2, 5, 7 and 11-21, and added claims 22-24.

Examiner's Amendment

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jeannette M. Walder, Xerox Corporation, on June 13, 2005.

3. The application has been amended as follows:

Please replace claim 1 with the following:

1. (Currently amended) A computer implemented interactive method of integrating and customizing document-based services in a knowledge management system, comprising:

providing a plurality of document-based services, wherein each document-based service comprises a software component associated with the system and provides at least one functionality for processing at least a portion of a document;

wherein each software component includes a control panel for defining and inputting commands, input parameters and output parameters associated with the software component;

wherein input parameters comprise a document-based string parameter;

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displaying the plurality of document-based services in a user interface, wherein each document-based service has a link associated with it for accessing the document-based service directly;

responsive to user selection of a first document-based service from the plurality of document-based services, displaying the first document-based service's control panel in the user interface;

responsive to user input of at least one command and at least one input parameter in the control panel of the first document-based service, caching any results objects for further usage within a session memory, displaying any output generated by the document-based first service in the user interface, and providing handles to specify paths to the results objects within the session memory;

responsive to user selection of a second document-based service from the plurality of document-based services, displaying the second document-based service's control panel in the user interface; and

responsive to user selection of at least a portion of the output generated by the first document-based service, at least one command and at least one input parameter in the control panel of the second document-based service, piping the at least a portion of the output generated by the first document-based service to the selected input parameter of the second document-based service and displaying any output generated by the second document-based service in the user interface.

Please amend claim 3 as follows.

Claim 3, line 2, before "service", add -- document-based --; and before "services", add -- document-based --;

Claim 3, line 5, before "service", add -- document-based --;

Claim 3, line 6, before "service", add -- document-based --; (two changes);

Claim 3, line 7, before "service", add -- document-based --; (two changes).

Please amend claim 4 as follows.

Claim 4, line 2, before "service", add -- document-based --;

Claim 4, line 3, before "services", add -- document-based --; before "service's", add -- document-based --;

Claim 4, line 5, before "service", add -- document-based --;

Claim 4, line 6, before "service", add -- document-based --; (two changes);

Claim 4, line 7, before "service", add -- document-based --; (two changes).

Please amend claim 8 as follows.

Claim 8, line 3, before "services", add -- document-based --;

Claim 8, line 6, before "services", add -- document-based --.

Please amend claim 10 as follows.

Claim 10, line 1, before "service", add -- document-based --;

Claim 10, line 3, before "service", add -- document-based --.

Please amend claim 23 as follows.

Claim 23, line 2, before "service's", add -- document-based --.

Please replace claim 24 with the following:

24. (Currently amended) A computer implemented interactive system for integrating and customizing document-based services in a knowledge management system, comprising:

a plurality of document-based services, wherein each document-based service comprises a software component associated with the system and provides at least one functionality for processing at least a portion of a document;

wherein each software component includes a control panel for defining and inputting commands, input parameters and output parameters associated with the software component;

wherein input parameters comprise at least one of a string, a document URL and a document pointer;

a user interface for displaying the plurality of document-based services, wherein each document-based service has a link associated with it for accessing the document-based service directly;

responsive to user selection of a first document-based service from the plurality of document-based services, displaying the first document-based service's control panel in the user interface;

a first framework, responsive to user input of at least one command and at least one input parameter in the control panel of the first document-based service, for displaying any output generated by the first document-based service in the user interface;

a second framework, responsive to user selection of a second document-based service from the plurality of document-based services, for displaying the second document-based service's control panel in the user interface; and

a scripting shell, responsive to user selection of at least a portion of the output generated by the first document-based service, at least one command and at least one input parameter in the control panel of the second document-based service, for piping the at least a portion of the output generated by the first document-based service to the selected input parameter of the second document-based service and displaying any output generated by the second document-based service.

Allowable Subject Matter

4. Claims 1, 3, 4, 6, 8-10 and 22-24 are allowed.
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sue Lao whose telephone number is (571) 272-3764. A voice mail service is also available at this number. The examiner's supervisor, SPE Meng-Ai An, can be reached on (571) 272 3756. The examiner can normally be reached on Monday - Friday, from 9AM to 5PM. The fax phone number for the organization where this application or proceeding is assigned is (703) 872 9306.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

June 13, 2005



SUE LAO
PRIMARY EXAMINER